



QNAP SYSTEMS, INC.

COMPANY PROFILE

Leading storage, network & computing solution provider. File storage, backup, sharing, multimedia, surveillance, virtualization, IoT, A.I., machine learning and more.

Overview of IEI Group

Innovation & Integration lead to Private Cloud Total Solution



iEi GROUP

威強電集團



Industrial Integrated
IoT Solution Provider



Leading storage,
network & computing
solution provider



Unique Electronic
Manufacturing Service



Intelligent Medical
System Provider



Leading Automation
System Products
Provider



Professional Chassis
Manufacturer

About QNAP

- Innovative software development and hybrid-cloud-based AI platform
- Complete portfolio from development and hardware design to accelerate enterprise deployment of AI solutions
- Global market presences
- 1000+ total employees. Software engineers make up 60% of the company workforce

Leading storage, network & computing
solution provider



Worldwide Presence



See the Bigger Picture with Us

In collaboration with IEI, we envision our upcoming QNAP NAS models to serve as an intelligent gateway that empowers both home life and work environments.





Ride the AI wave with

QNAP QuAI

- QNAP's AI Developer Platform
- Intended for data scientists and developers to quickly build, train, and optimize AI models running on QNAP NAS
- GPU-accelerated computing empowers AI
- Easily host AI applications on QNAP NAS



QNAP NAS as

an intelligent hybrid network application server

- Implementation of AI & machine-learning mechanisms
- Network computing ability & data security
- Providing “IoT-oriented” services and applications

QNAP NAS as a GPU-empowered computing solution

- Graphics card support for video processing and GPU pass-through to virtual machines.
- Accelerate AI applications with GPU computing power



Fast NAS Solutions with

10GbE connectivity and SSD caching

- Aimed at extending NAS functionality, QNAP presents a variety of 10GbE and SSD cache applications
- Implementation of 10GbE connectivity and SSD caching helps to optimize the storage efficiency and data transmission capabilities of QNAP NAS



Achievements & Recognition

Over 100 Corporate & Product Awards Worldwide



Red Dot Design Award 2018

TVS-951X 9-bay 10GbE multimedia NAS

QNAP®



Best Choice Award 2018

TS-328 3-bay RAID 5 NAS

QNAP®



Videomaker's Best Products 2017 Best Storage Award

TVS-1282T3 Thunderbolt™ 3 NAS

QNAP®



Red Dot Award 2017

TVS-873 10GbE-enabled business NAS

QNAP®



European Hardware Awards 2017 Best NAS Device

TS-451+ quad-core NAS



QNAP Leads the Way

Comprehensive NAS products that reflect technology and
market trends





QTS 4.3.5

Empowering the network and storage functionalities of QNAP NAS

QTS 4.3.5 future-proofs the network and storage functionalities of QNAP NAS with even more software innovations. The latest generation of QTS is tailored for users with greater needs for advanced network infrastructure deployment and storage management.



QNAP NAS Series Featuring AMD® CPUs and APUs

QNAP offers a comprehensive portfolio of AMD-based NAS to meet a wide range of user requirements. AMD-based NAS solutions delivers uncompromising performance to facilitate performance-demanding applications including high-speed data transfer, backup/recovery, virtualization, media playback and graphics display.



Enterprise



SMB



High-capacity | 6-bay NAS Solutions

Store more and smarter

Featuring epic storage potential, the 16-bay NAS solutions incorporate both high performance and high capacity for continuously optimized storage efficiency to tackle mission-intensive applications necessary for modern data centers such as virtualization and massive data backup and recovery.

16-bay NAS Models



TS-1677X



TS-1635AX



TS-1685



9-bay Hybrid NAS Solutions

Slim size, big capacity

Designed to accommodate five 3.5-inch HDD bays and four 2.5-inch SSDs bays, QNAP's 9-bay models fully enable SSD caching and Qtier to provide both high-capacity storage potential and optimal system performance.

9-bay NAS Models



TS-963X



TS-951X



TS-932X



I0GbE Solutions

Standardizing I0GbE environments

QNAP offers powerful-yet-affordable high-speed I0GbE-ready NAS and peripherals suited for all organizations - from huge enterprises to small offices - to improve overall network performance and bandwidth-demanding applications.



Built-in 10GbE port (s)



Optional 10GbE expandability

10GbE Switches & Network Expansion Cards

Upgrading network environment at a cost-effective price



QNAP provides economical solutions for businesses, organizations, and advanced home users to adopt 10GbE network infrastructure. With 10GbE connectivity, users can boost the performance of bandwidth-demanding tasks and team collaboration.



QM2: M.2 SSD/10GbE PCIe Expansion Cards

Optimize 10GbE applications with M.2 SSD caching

The QM2 series PCIe cards add support for M.2 SSDs and 10GbE RJ45 connectivity (optional) to a QNAP NAS. Combining SSD and 10GbE connectivity into one solution, the QM2 helps improve overall NAS performance while providing an affordable upgrade path for adopting 10GbE networks.



Thunderbolt™ NAS

Boost creative media collaboration

QNAP Thunderbolt NAS solutions features ultra-high transfer speeds with expandable data storage, boosting productivity with 4K workflows and empowering collaborative video editing for Thunderbolt-equipped Mac & Windows users.

Coupled with 10GbE connectivity, Thunderbolt NAS brings incredible flexibility for network connectivity, helping users tackle today's challenges in fast-paced multi-workstation environments.



Thunderbolt 2 NAS



Thunderbolt 3 NAS



Wireless Adapter: QWA-AC2600

A tailor-made private wireless network that meets your needs

The QWA-AC2600 turns a Ubuntu/Linux PC or QNAP NAS into a high-performance and secure wireless access point/base station.

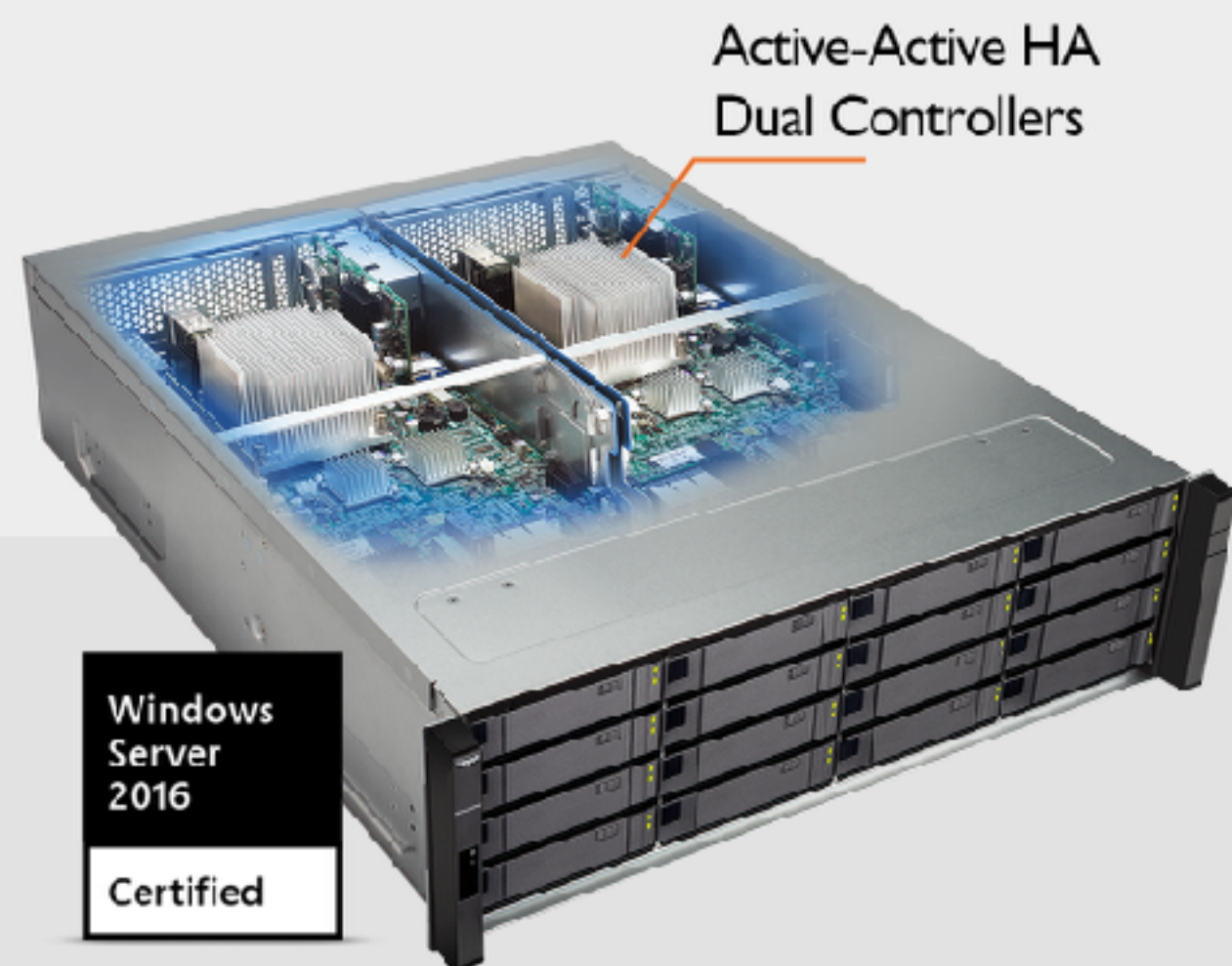
Leveraging the higher compatibility of 802.11n and faster connection of 802.11ac, the solution empowers versatile applications including wireless LANs in the workplace and Internet of Things (IoT) deployment in the field.



AfoBot

QNAP's first video companion robot

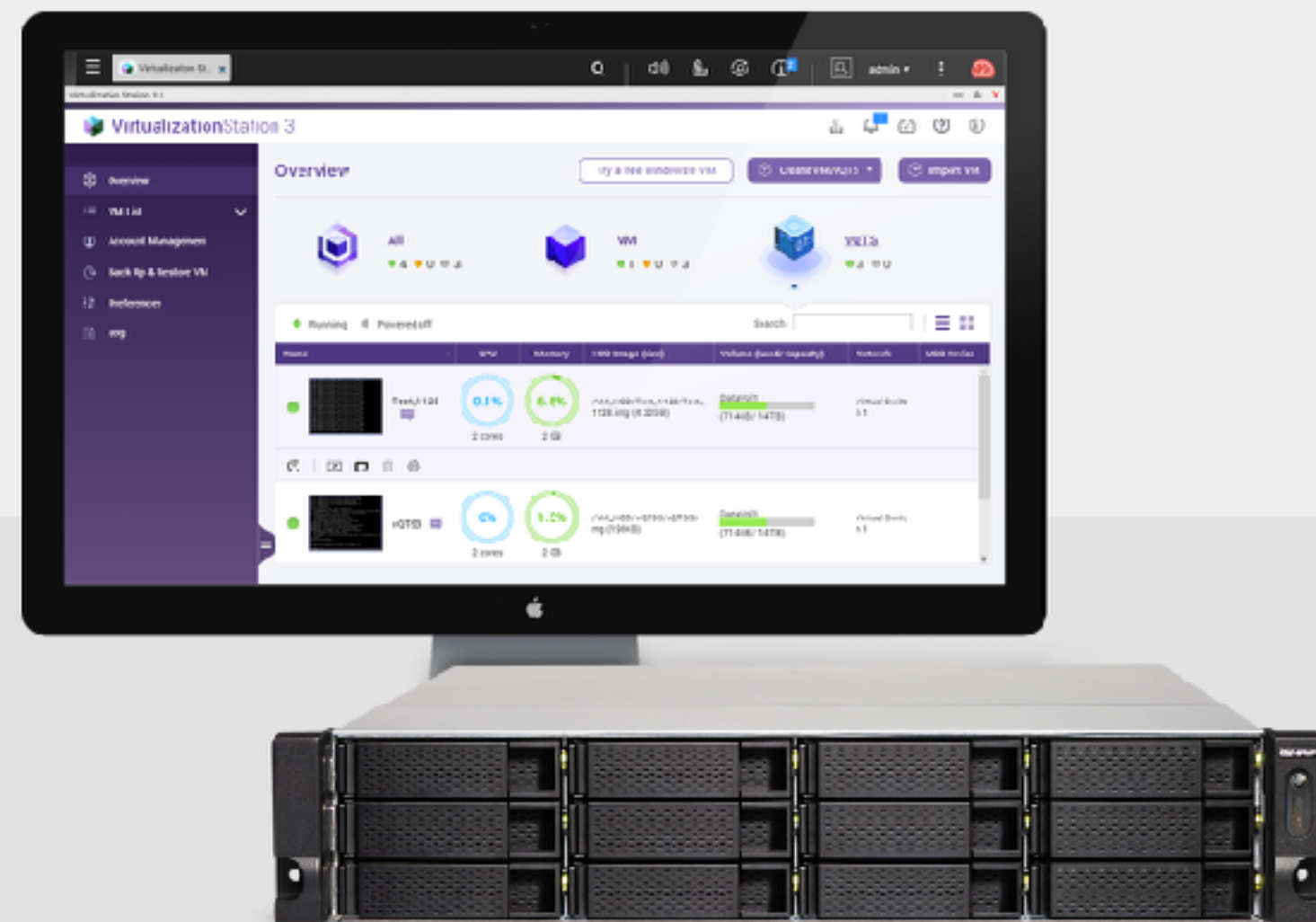
Designed with a focus on home environments, AfoBot is your intelligent companion assistant. AfoBot features voice interaction, face recognition and video calls. It helps foster easy communication, family care, entertainment, and daily life assistance, enhancing quality of life and providing greater communication opportunities at home.



High Availability

Dual-controllers for near-zero downtime

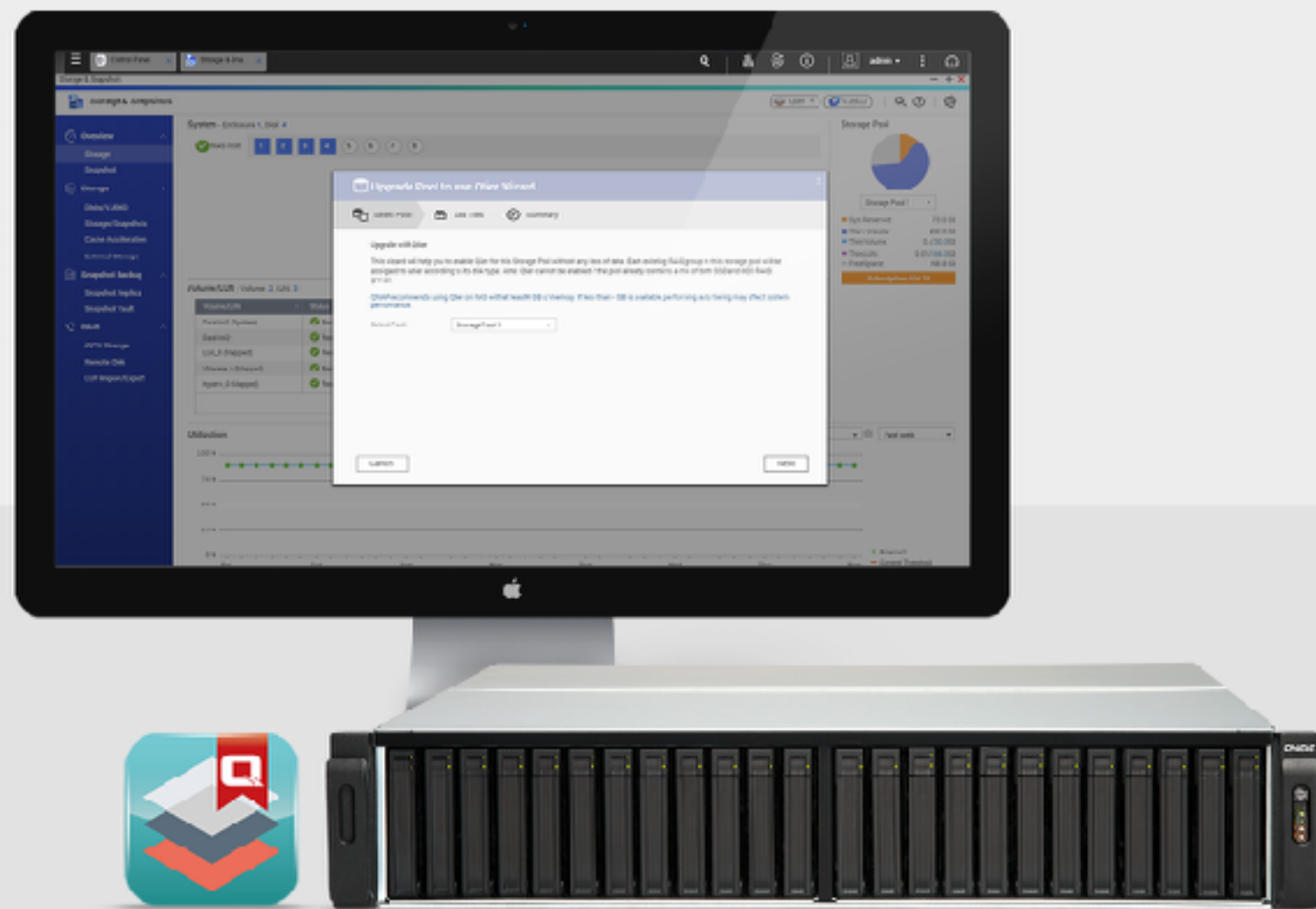
Designed for mission-critical IT tasks, the Enterprise ZFS NAS excels in providing High Availability solutions for file servers, virtualization servers, virtual desktops, online video streaming, snapshots and remote recovery.



Virtualization

Storage for virtualized environments, VMs and containers

QNAP NAS provides high-performance, reliable and affordable storage solutions for VMware® vSphere™, Microsoft® Hyper-V®, and Citrix® XenServer™. It is also a server to host virtual machines (with Virtualization Station) and containerized apps (with Container Station) for greater usage potential.



Qtier™ Optimization

Enabling 24/7 optimized storage efficiency

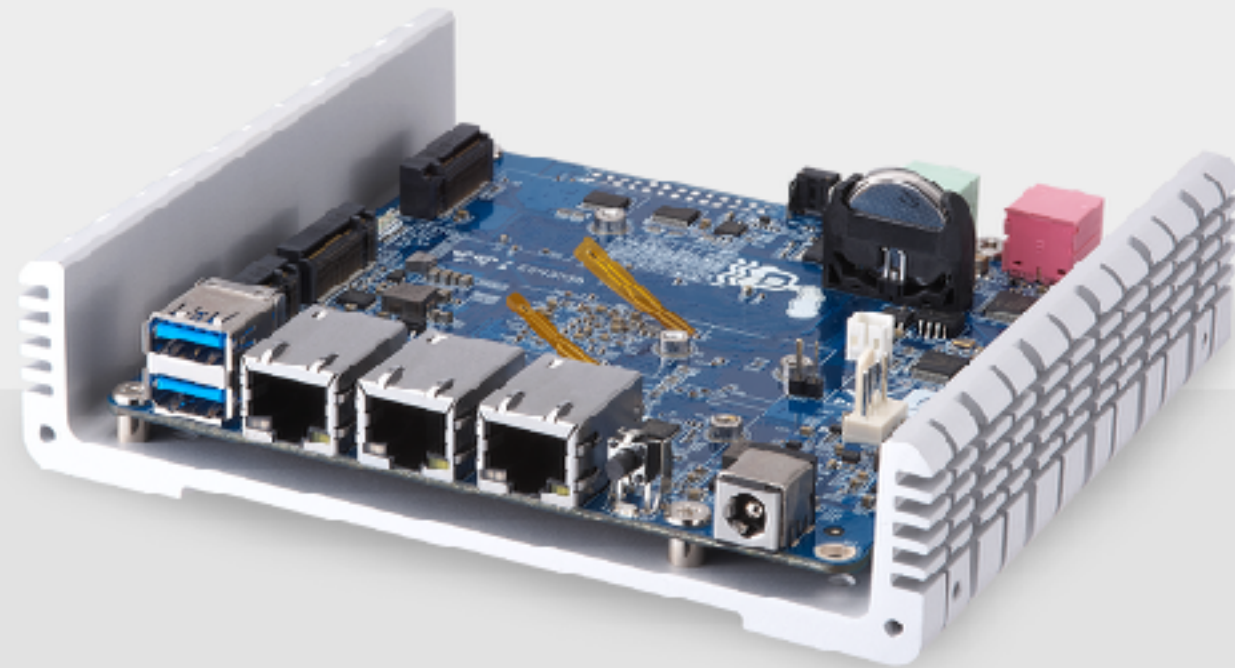
Qtier Technology empowers QNAP NAS with Auto Tiering that helps continuously optimize storage efficiency across SSD, SAS, and SATA drives for around-the-clock acceleration.



4K live-stream broadcasts

Embracing live-streaming trends

DJ2 Live is an exclusive live broadcasting platform based on a private cloud that supports up to 4K video live-stream broadcasts and stores all the videos on the private, secure, high-capacity QNAP NAS.



Internet of Things

Private IoT cloud platform & IoT server

QIoT Suite provides easily-adoptable practical modules for developers, accelerating IoT development and services. QBoat Sunny (QTS IoT Server) helps connect and manage IoT devices and applications to provide a handy solution for the great potential industrial demands of IoT.

QNAP Innovates

Full-throttle innovations accommodating comprehensive
business & home entertainment applications.



Backup & Restoration

Efficient backup and disaster
recovery



Hybrid Backup Sync consolidates backup, restoration and synchronization functions into a single QTS app for data transfer to local, remote and cloud storage spaces.

Synchronization

File sharing and syncing across devices



Qsync enables efficient file synchronization between a QNAP NAS and linked devices such as computers, laptops and mobile devices.

Web Automation Service

User-defined NAS rules and
services



IFTTT Agent allows connecting your QNAP NAS with apps like Gmail, Facebook, and Twitter to automate daily tasks based on user-defined rules to boost productivity.

Centralized Device Management

Single point solution for
networked computing devices



QRM+ is QNAP's Centralized Remote Management solution that provides a single-point solution for IT administrators to discover, map, monitor and manage IPMI-compatible Windows and Linux devices such as Servers/PCs/Thin Clients.

Multi-zone Home Entertainment

NAS as a multimedia control
center across devices



Cinema28 is a centralized management platform for multimedia streaming devices, allowing users to stream media files from a single platform, greatly enriching multimedia experiences for home and SOHO users.

File Management Solutions

Simplified file organization and
data search tools



Qfiling automates your file organization - all you need to do is categorize your files, set a schedule, and leave the rest to Qfiling.

File Management Solutions

Simplified file organization and
data search tools



Qsirch is an exclusive whole-NAS search engine that supports file indexing, content preview, personalized search filters, enhanced email search and management of stored emails.

Workplace Productivity

Manage your work and daily life
smartly



QNAP provides various management tools to help you smartly manage your work and daily life. QmailAgent and Qcontactz allow you to centrally manage multiple email accounts and contacts. QcalAgent is a centralized schedule management app that can synchronize with multiple calendar services, including Google Calendar, Outlook Calendar, and CalDAV-based calendar services.

OpenStack Deployment Solution

Fast integration of QNAP NAS
with OpenStack environment



QNAP's Cinder driver supports OpenStack Ocata, turning QNAP's enterprise-grade NAS into an integral part of OpenStack ecosystems, providing businesses with a flexible, easy-to-use, and low-cost storage solution.



QVR Pro

A professional NVR solution on
QNAP NAS



QVR Pro is a professional surveillance application that runs alongside the NAS OS as an independent operating environment. With various APIs available, developers can create an open event platform that integrates QVR Pro's resources to build a surveillance solution to meet their needs.

QVR Center & QVR Guard

Surveillance applications for QVR Pro



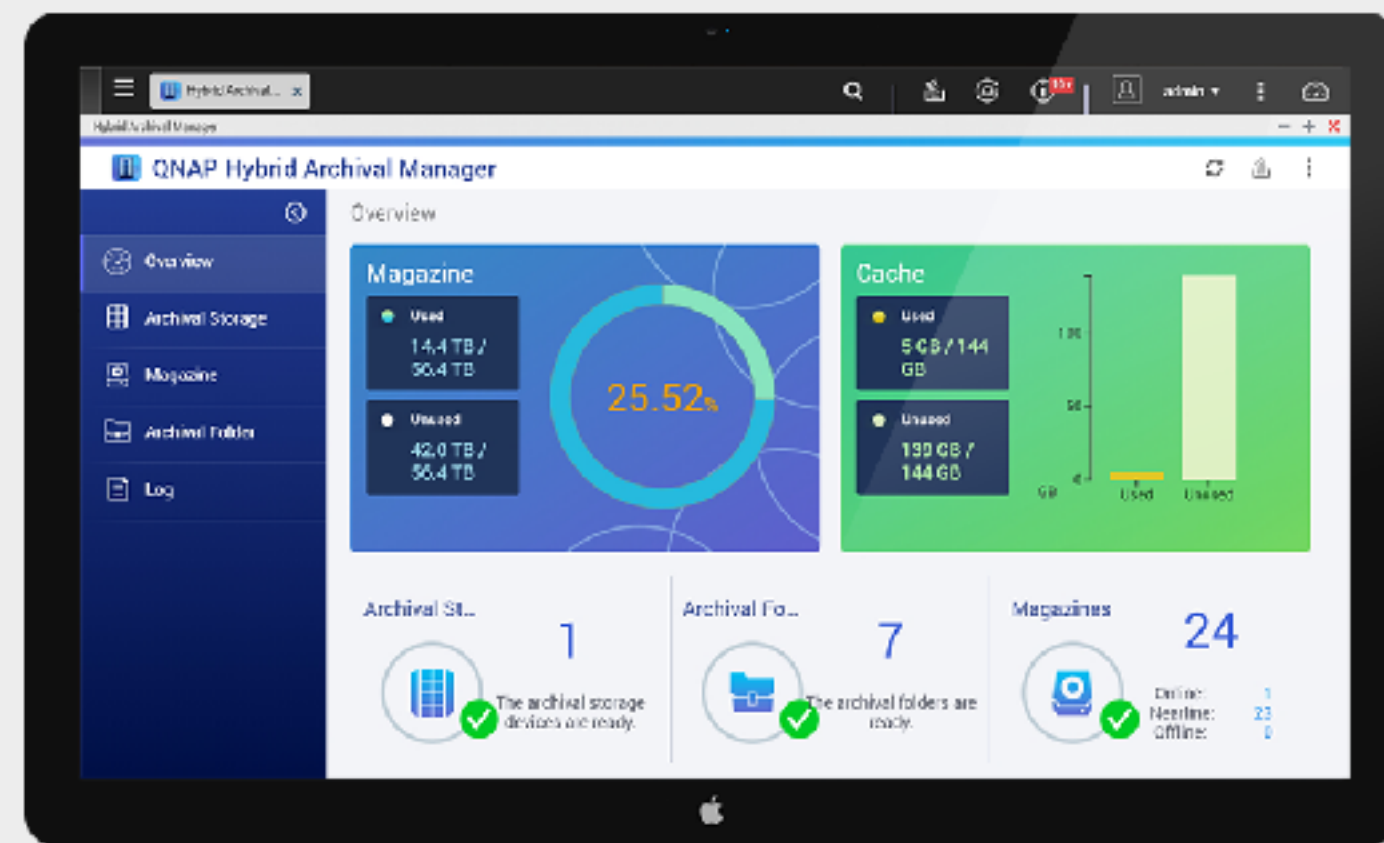
QVR Center offers a central management platform for multiple QVR Pro deployed within various environments. Users can centrally monitor live feeds, play back surveillance footage, and receive event notifications from multiple QVR Pros to respond quicker to events.

QVR Guard features failover functionality that protects QVR Pro from system failure and ensures uninterrupted surveillance recordings.

Alliance



BlueGlacier



Powered by
Panasonic

freeze-ray™



QNAP X Panasonic

Enterprise storage & archiving solutions

QNAP partners with Panasonic to present a Blu-ray Disc archiving solution for large-volume data by integrating QNAP NAS with Panasonic's "freeze-ray" scalable Optical Data Archive System.

QNAP®



QNAP X Seagate

Boost NAS Health with IronWolf Health Management

Seagate's IronWolf Health Management (IHM) is now available on QNAP NAS. IHM provides a suite of diagnostic tools to improve NAS system reliability with powerful prevention, intervention and recovery capabilities.

VERITAS X **QNAP**[®]
VTE (Veritas Technology Ecosystem Partner)



QNAP X Veritas

All-in-one backup solution across
physical, virtual and cloud environments

QNAP NAS and Veritas Backup Exec introduce a comprehensive storage solution tailored for the data and system backup needs of small and medium businesses. QNAP Enterprise NAS now supports the Veritas Backup Exec solution to provide higher-performance and highly-scalable backup service across physical, virtual and cloud environments

QNAP[®]



QNAP X Canonical

Dual operating systems

Leveraging QNAP's QTS OS and Ubuntu, Linux Station provides an advanced platform for the development of Internet of Things (IoT) services and applications.



QNAP X Nakivo

All-in-one backup solution for VM backup

QNAP has teamed up with NAKIVO® to provide NAKIVO Backup & Replication v7, a high-performance yet affordable VM backup solution that is fully integrated with QNAP NAS.

More Feature-rich

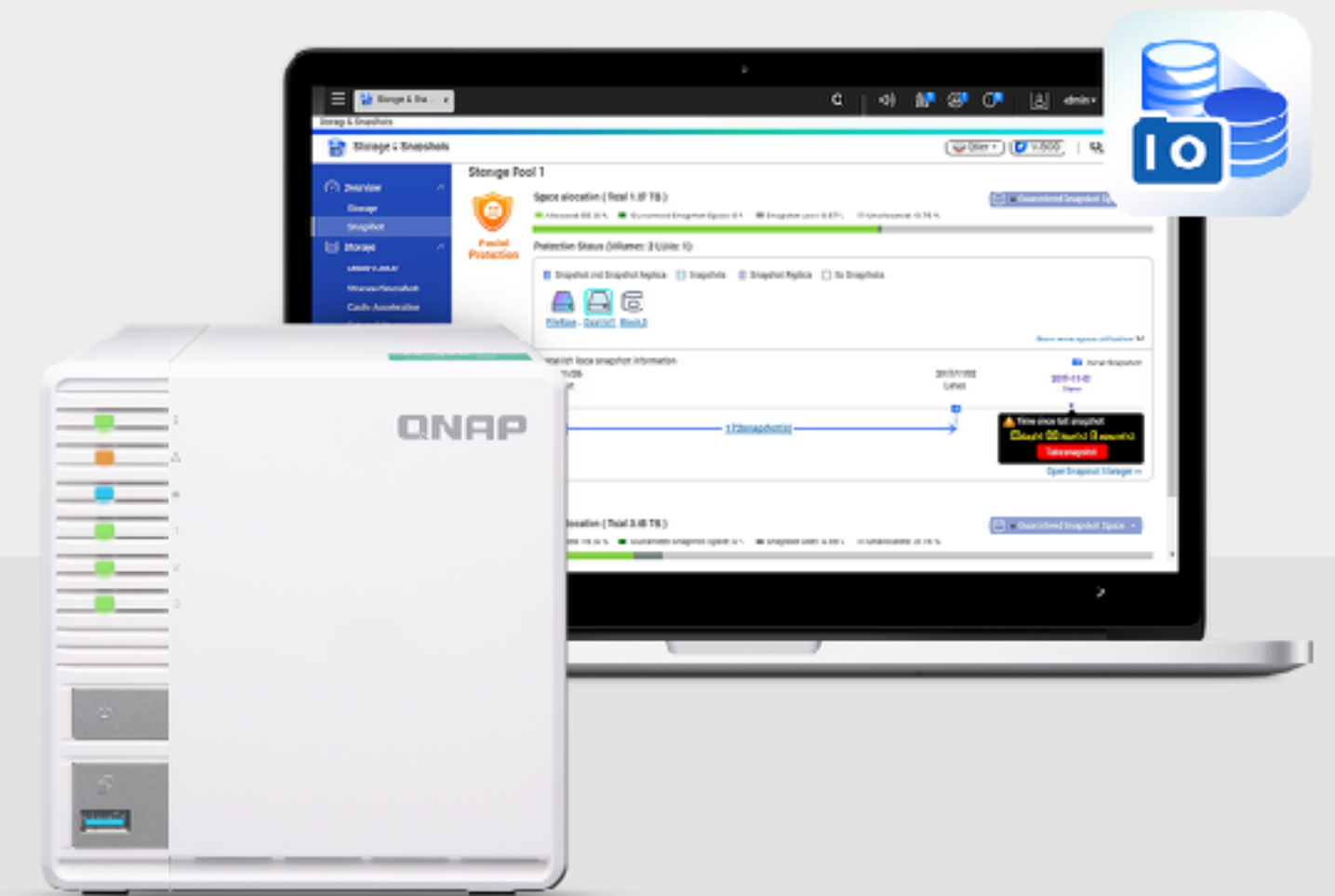
Applications



Data Protection with Snapshots

Ext4-based snapshot provides uncompromised storage performance

- Now also supported by ARM-based NAS
- Adequate disaster recovery option against ransomware attacks
- Fast and precise data backup with block-based LUN snapshots to reduce disaster recovery time
- Snapshot Replica & Snapshot Reserve Space



Storage

QNAP NAS provides a secure, high-capacity centralized file center to store up to petabytes of data.

- Comprehensive RAID support
- Cross-platform file sharing (SMB/CIFS, AFP, WebDAV, and NFS)
- VJBOD (Virtual JBOD) for using a QNAP NAS to expand the capacity of other QNAP NAS
- Scalable design with QNAP expansion enclosures



Backup

QNAP NAS assists in mitigating data loss with complete data backup and disaster recovery options.

- Desktop/laptop backup
- Business critical backup and recovery
- VM backup
- Remote backup (RTRR, rsync) Volume & LUN Snapshots
- Hybrid Backup Sync consolidates backup, restoration and synchronization between local, remote and cloud storage.



Productivity

QNAP NAS provides various apps and features to multiply productivity to quickly finish more tasks

- SSD Cache
- QvPC Technology
- Q'center
- CloudLink
- exFAT support



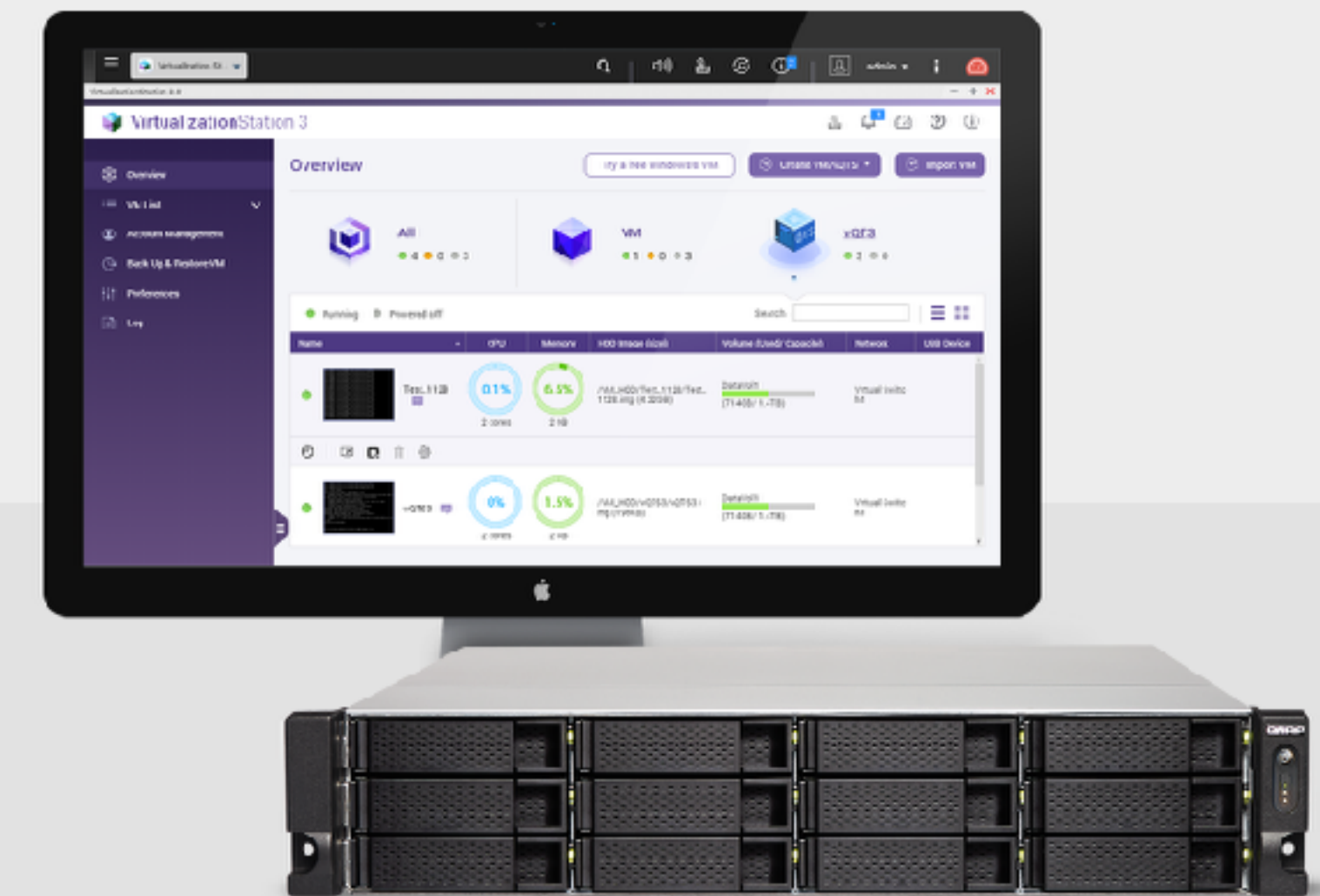
Virtualization

QNAP NAS is virtualization-ready, and supports hosting VMs and containers as cost-efficient storage with optimized performance

- Virtualization Readiness - Storage for virtualization
- Virtualization Station - Hosts multiple VMs on the NAS
- Container Station - Integrates LXC and Docker lightweight containerized virtualization



QNAP[®]



Multimedia

QNAP NAS is an all-in-one multimedia center to collect, back up and share multimedia files for a complete entertainment experience

- Photo Station, Music Station
- Media Streaming via DLNA, Apple TV, Chromecast, Plex Server or Roku platform
- Multi-zone multimedia streaming
- Media transcoding
- HDMI connectivity for 1080p/4K video playback
- OceanKTV - a NAS-based karaoke system



Surveillance

QNAP NAS provides a comprehensive surveillance solution for safeguarding office and home environments with 24/7 security

- QVR Pro, a professional network surveillance video management system
- User-friendly management interface
- Real-time monitoring, video & audio recording and playback
- Over 5,000 compatible IP camera models
- Expandable IP camera channel licenses
- Milestone IP surveillance platform



QIoT

QIoT Suite Lite: QNAP's private IoT cloud platform for microservices-based architectural patterns as applied to IoT systems

- QNAP NAS with large storage capacity
- Well-rounded security
- Protocols for IoT (MQTT, MQTTS, HTTP, HTTPS, CoAP)
- Shorter design lifecycle
- Scalability for micro services
- Integrated with public clouds



QNAP Mobile Apps

QNAP provides numerous apps for iOS, Android, and Windows-based mobile devices to increase the flexibility, manageability and accessibility of QNAP NAS services



Qfile



Qmanager



Qmusic



Qphoto



Qvideo



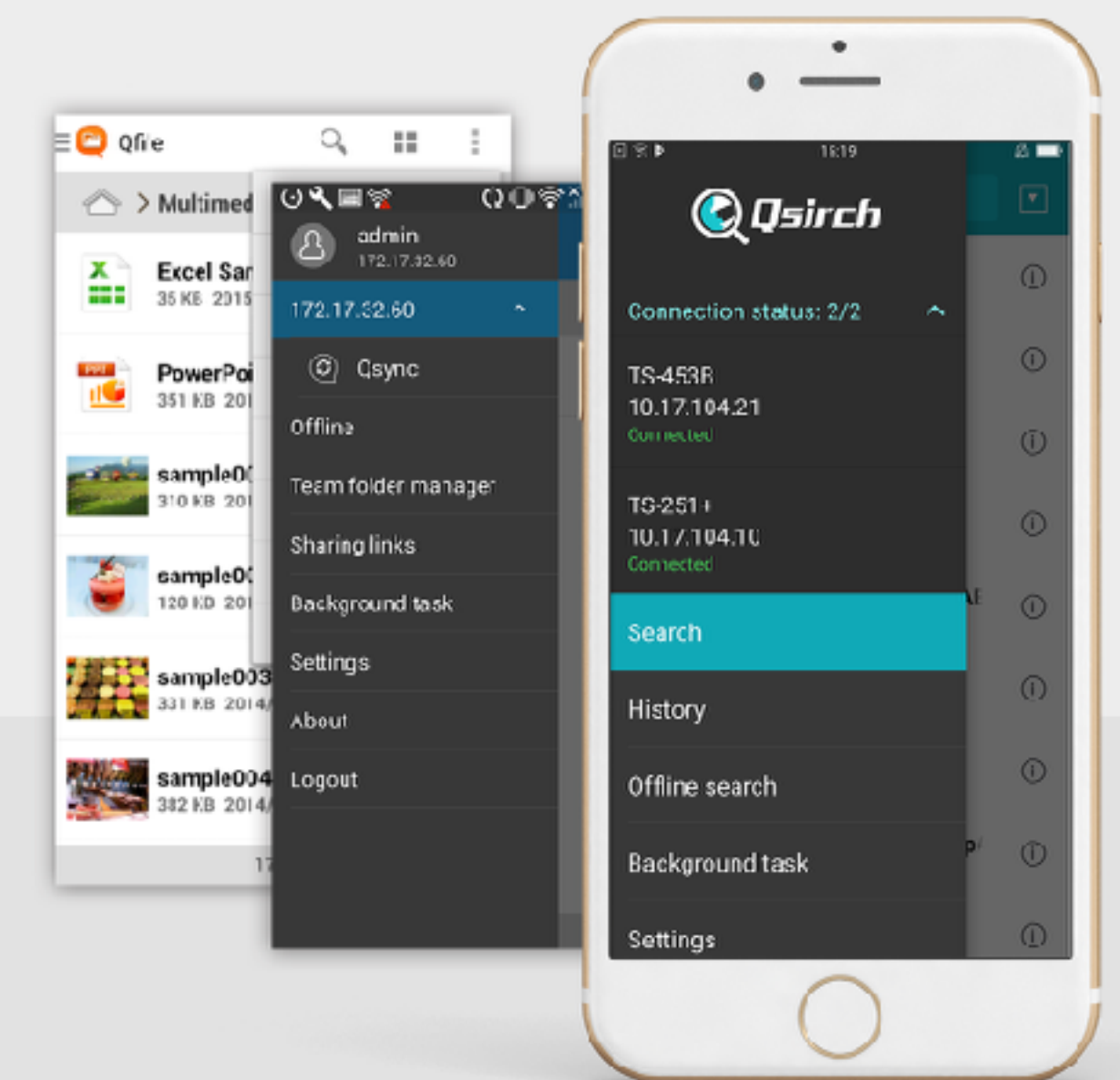
Qsync



Qsirch



QmailClient



QNAP Utilities

QNAP provides a range of specialized utilities to bring out the best of QNAP NAS



Qfinder Pro



myQNAPcloud
Connect



Qsync



NetBak
Replicator



Snapshot Agent



vSphere (Web)
Client plug-in



Q'center Virtual
Appliance



QVHelper



Video HD



Qmedia



QNAP on the Web





www.qnap.com



[Facebook](https://www.facebook.com)



[YouTube](https://www.youtube.com)



[Instagram](https://www.instagram.com)



[Twitter](https://twitter.com)



[Google+](https://plus.google.com)



Let's Connect



Thank you
